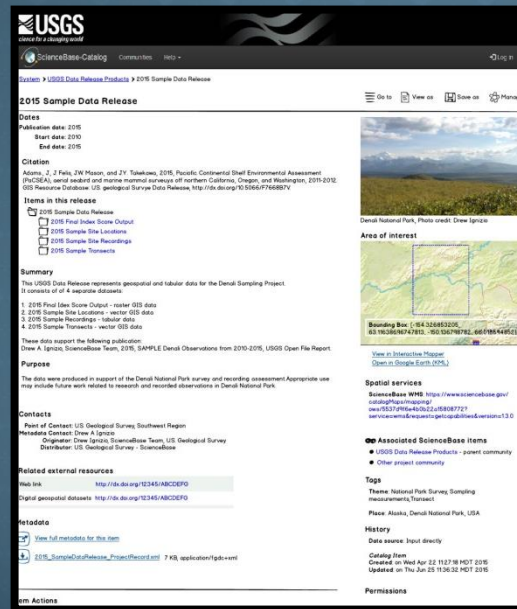
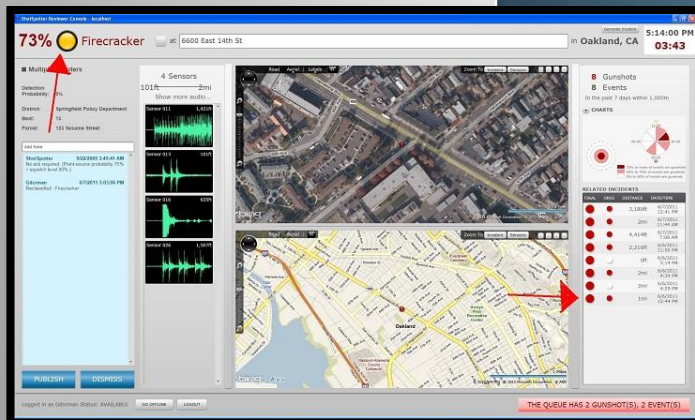
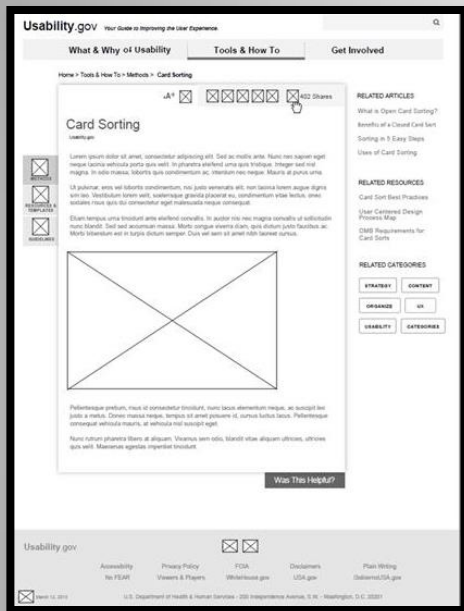


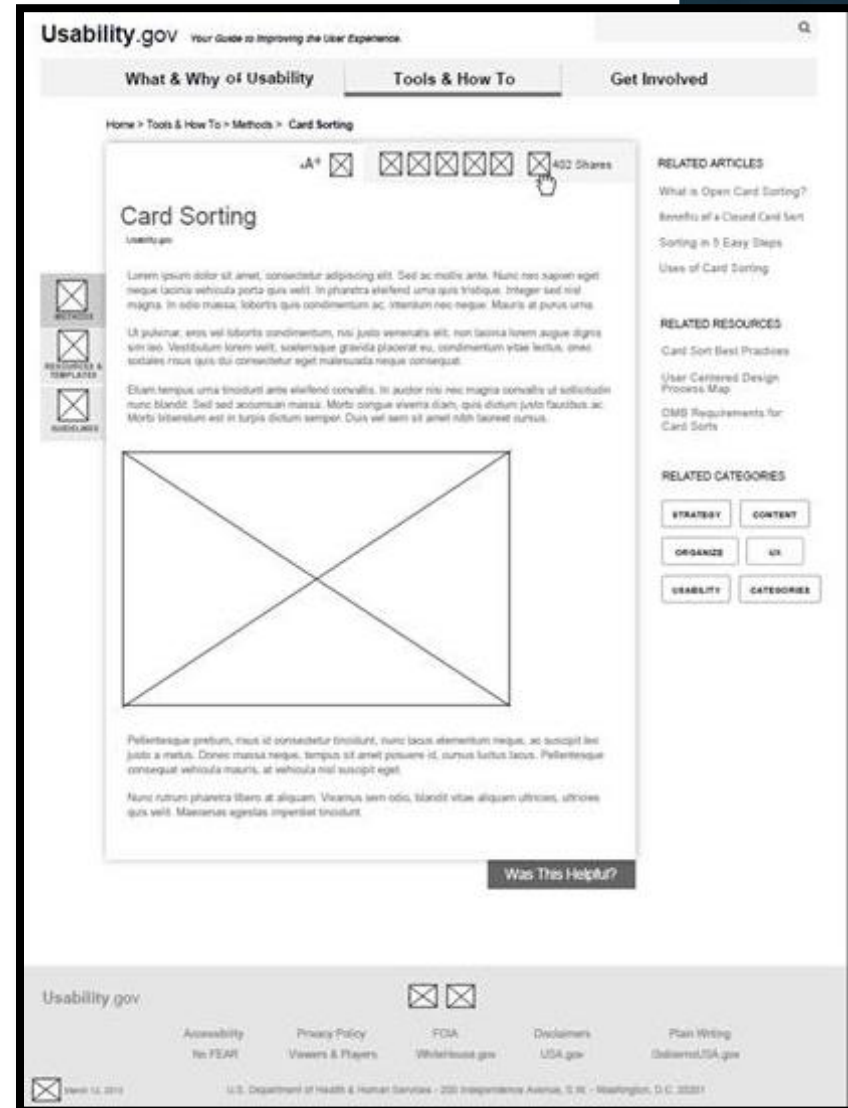
WIREFRAMES, MOCKUPS, AND PROTOTYPES



Madison Langseth
February 2017

WIREFRAMES

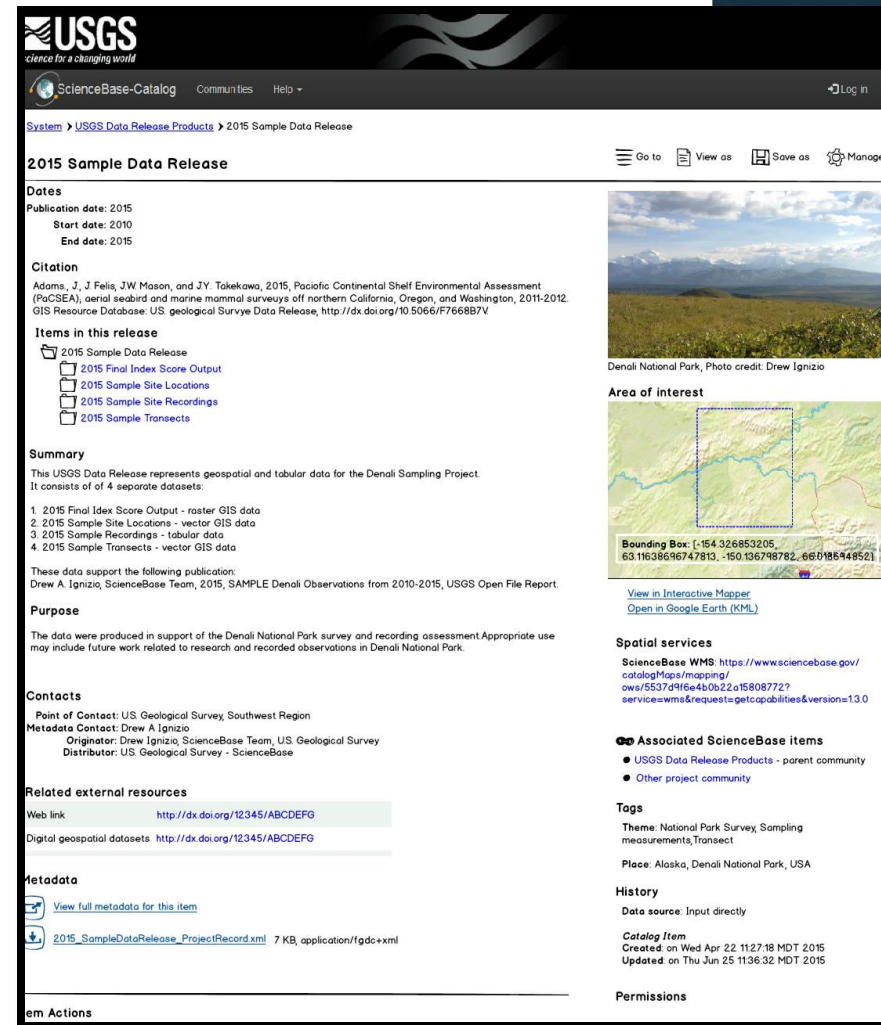
- 2-D illustration:
 - Space allocation
 - Content prioritization
 - Available functionalities
 - Intended behaviors
- Low fidelity
- What are they good for?
 - Project Documentation
 - Internal Team Communication
- What are they NOT good for?
 - User testing



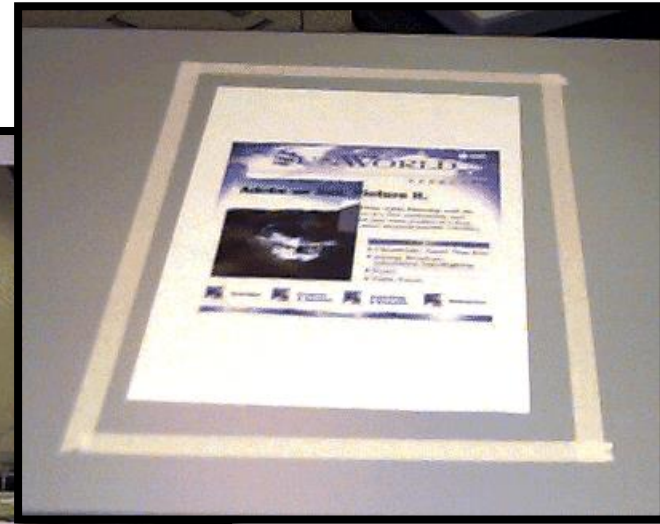
Usability.gov (2016)

MOCKUPS

- Represents structure of information, visualizes the content and demonstrates basic functionality in a static way
- Middle to high fidelity
- What are they good for?
 - Early buy-in from stakeholders
 - Iterative user testing
- What are they NOT good for?
 - Interactive user testing

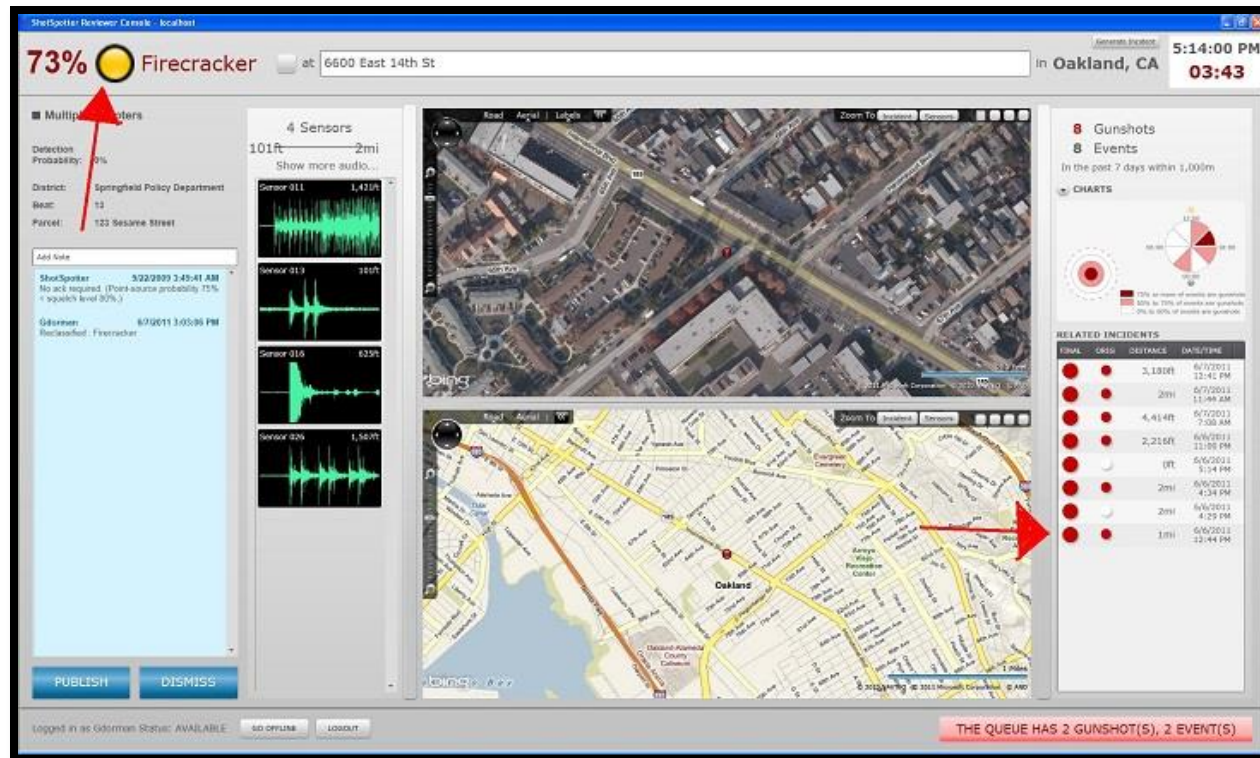


PAPER PROTOTYPING



PROTOTYPES

- Representation of the final product, simulating user interface interaction
- Middle to high fidelity
- What are they good for?
 - Interactive user testing
- What are they NOT good for?
 - Fast and cheap documentation



SUMMARY

	Fidelity	Cost	Use	General traits
Wireframe	Low	\$	Documentation, quick communication	Sketchy, black, white and gray representation of the interface
Mockup	Middle to High	\$\$	Gathering feedback and getting buy-in from stakeholders	Static visualization
Prototype	Middle to High	\$\$\$	User testing, reusable backbone of the interface	Interactive

REFERENCES

- ◉ Dworman, Garrett, 2014, When to prototype, when to wireframe – How much fidelity can you afford? UsabilityGeek, accessed December 14, 2016 at <http://usabilitygeek.com/when-to-prototype-when-to-wireframe-fidelity/>
- ◉ Nielsen, Jakob, 2003, Paper prototyping: Getting user data before you code: Nielsen Norman Group, accessed December 14, 2016 at <https://www.nngroup.com/articles/paper-prototyping/>.
- ◉ Nielsen, Jakob, 1995, Usability testing for the 1995 Sun Microsystems' Website: Nielsen Norman Group, accessed December 14, 2016 at <https://www.nngroup.com/articles/usability-testing-1995-sun-microsystems-website/>.
- ◉ Treder, Marcin, 2016, Wireframing, prototyping, mockuping – What's the difference? Accessed December 14, 2016 at <https://designmodo.com/wireframing-prototyping-mockuping/>
- ◉ Usability.gov, 2016, Wireframing: Usability.gov, accessed December 14, 2016 at <https://www.usability.gov/how-to-and-tools/methods/wireframing.html>